

Patent Number(s): JP51042795-A; JP78020077-B

Title: Polyester prepn. by ester-interchange, condensation polymerisation - using ethylene-glycol and dimethyl-terephthalate in specified ratio with catalyst

Patent Assignee Name(s) and Code(s): TORAY IND INC (TORA-C)

Derwent Primary Accession Number: 1976-40686X [22]

Patents Cited by Inventor: 0

Citing Patents: 0

Articles Cited by Inventor: 0

Patents Cited by Examiner: 0

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Abstract:

Polyester is prepd. by ester-exchanging and condens.-polymsg. a dicarboxylic acid, mainly of dimethylterephthalate, with glycol, mainly of ethyleneglycol, using a molar ratio of ethyleneglycol:dimethylterephthalate = 1.30:1-1.80:1. An ester-exchanging catalyst satisfying the equation (I) is used; the ester-exchanging reaction completed below 250 degrees C followed by condensn. polymsn.- (where $K(\text{hr}^{-1}(\text{mol.}/\text{kg.})^{-1})$ represents the reaction velocity constant between methyl ester and hydroxyl gp. of hydroxyethyl ester; and m = molar ratio of ethyleneglycol to dimethylterephthalate.

International Patent Classification: C07C-067/03; C07C-069/82; C08G-063/22

Derwent Class: A23 (Polyamides, polyesters, polycarbonates, alkyds)

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